

## Safety Data Sheet

## Firestone Building Products Company

**Section 1: Identification of the Substance/Mixture and of the Company/Undertaking****1.1 Product identifier**

**Product Name** • LiquiGard™ Adhesive Part A

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

**Relevant identified use(s)** • Construction

**1.3 Details of the supplier of the safety data sheet**

**Manufacturer** • Firestone Building Products Company  
250 West 96th Street  
Indianapolis, IN 46260  
United States

**Telephone (General)** • firestonemsds@bfdp.com  
800-428-4442

**1.4 Emergency telephone number**

**Manufacturer** • (800) 424-9300 - CHEMTREC

**Manufacturer** • (703) 527-3887 - CHEMTREC - International

**Section 2: Hazards Identification****EU/EEC**

According to Regulation (EC) No 1272/2008 (CLP)/REACH 1907/2006 [amended by 453/2010]

According to EU Directive 67/548/EEC (DSD) or 1999/45/EC (DPD)

**2.1 Classification of the substance or mixture**

**CLP** • Eye Irritation 2 - H319  
Skin Irritation 2 - H315

**DSD/DPD** • Irritant (Xi)  
R36, R38

**2.2 Label Elements**

**CLP**

**WARNING**

**Hazard statements** • H315 - Causes skin irritation  
H319 - Causes serious eye irritation

**Precautionary statements**

**Prevention** • P264 - Wash thoroughly after handling.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

- Response** • P302+P352 - IF ON SKIN: Wash with plenty of soap and water.  
P362 - Take off contaminated clothing and wash before reuse.  
P332+P313 - If skin irritation occurs: Get medical advice/attention.  
P321 - Specific treatment, see supplemental first aid information.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes.  
Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 - If eye irritation persists: Get medical advice/attention.

## DSD/DPD



- Risk phrases** • R36 - Irritating to eyes.  
R38 - Irritating to skin.

- Safety phrases** • S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

## 2.3 Other Hazards

- CLP** • According to Regulation (EC) No. 1272/2008 (CLP) this material is considered hazardous.

- DSD/DPD** • According to European Directive 1999/45/EC this material is considered dangerous.

## United States (US)

According to OSHA 29 CFR 1910.1200 HCS

### 2.1 Classification of the substance or mixture

- OSHA HCS 2012** • Skin Irritation 2 - H315  
Eye Irritation 2 - H319

### 2.2 Label elements

**OSHA HCS 2012**

#### WARNING



- Hazard statements** • Causes skin irritation - H315  
Causes serious eye irritation - H319

### Precautionary statements

- Prevention** • Wash thoroughly after handling. - P264  
Wear protective gloves/protective clothing/eye protection/face protection. - P280

- Response** • If on skin: Wash with plenty of water .  
Take off contaminated clothing and wash before reuse. - P362  
If skin irritation occurs: Get medical advice/attention. - P332+P313  
Specific treatment, see supplemental first aid information. - P321  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. - P305+P351+P338  
If eye irritation persists: Get medical advice/attention. - P337+P313

### 2.3 Other hazards

- OSHA HCS 2012** • Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

## Canada

According to WHMIS

### 2.1 Classification of the substance or mixture

**WHMIS**

- Other Toxic Effects - D2B

**2.2 Label elements****WHMIS**

- Other Toxic Effects - D2B

**2.3 Other hazards****WHMIS**

- In Canada, the product mentioned above is considered hazardous under the Workplace Hazardous Materials Information System (WHMIS).

**Section 3 - Composition/Information on Ingredients****3.1 Substances**

- Material does not meet the criteria of a substance in accordance with Regulation (EC) No 1272/2008.

**3.2 Mixtures**

Composition					
Chemical Name	Identifiers	%	LD50/LC50	Classifications According to Regulation/Directive	Comments
Asphalt	CAS:8052-42-4 EINECS:232-490-9	20% TO 50%	Ingestion/Oral-Rat LD50 • >5000 mg/kg Inhalation-Rat LC50 • >94.4 mg/m <sup>3</sup>	EU DSD/DPD: Self Classified: Xi R38 EU CLP: Self Classified: Skin Irrit 2, H315 OSHA HCS 2012: Skin Irrit. 2	NDA
Amine compounds	NDA	< 3%	NDA	EU DSD/DPD: Not Classified EU CLP: Not Classified OSHA HCS 2012: Not Classified	NDA

**Section 4 - First Aid Measures****4.1 Description of first aid measures****Inhalation**

- Move victim to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing. If signs/symptoms continue, get medical attention.

**Skin**

- Wash skin with soap and water. Remove heavily contaminated clothing. DO NOT use solvents or thinners to remove materials from skin. Asphalt can be removed with vegetable oil or mineral oil. If irritation develops and persists, get medical attention.

**Eye**

- In case of contact with substance, immediately flush eyes with running water for at least 20 minutes. If eye irritation persists: Get medical advice/attention.

**Ingestion**

- Obtain medical attention immediately if ingested.

**4.2 Most important symptoms and effects, both acute and delayed**

- Refer to Section 11 - Toxicological Information.

**4.3 Indication of any immediate medical attention and special treatment needed****Notes to Physician**

- All treatments should be based on observed signs and symptoms of distress in the

patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

## Section 5 - Firefighting Measures

### 5.1 Extinguishing media

**Suitable Extinguishing Media** • CO<sub>2</sub>, Dry Chemical, Foam, Water Fog, Halon.

**Unsuitable Extinguishing Media** • No data available.

### 5.2 Special hazards arising from the substance or mixture

**Unusual Fire and Explosion Hazards** • Containers may explode when heated.

**Hazardous Combustion Products** • No data available.

### 5.3 Advice for firefighters

- Structural firefighters' protective clothing will only provide limited protection. Wear positive pressure self-contained breathing apparatus (SCBA).

## Section 6 - Accidental Release Measures

### 6.1 Personal precautions, protective equipment and emergency procedures

**Personal Precautions** • Ventilate enclosed areas. Do not walk through spilled material. Wear appropriate personal protective equipment, avoid direct contact.

**Emergency Procedures** • ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep unauthorized personnel away. Stay upwind.

### 6.2 Environmental precautions

- Avoid release to the environment.

### 6.3 Methods and material for containment and cleaning up

**Containment/Clean-up Measures** • Stop leak if you can do it without risk.  
SMALL SPILLS: Take up with sand or other non-combustible absorbent material and place into containers for later disposal.  
LARGE SPILLS: Dike far ahead of liquid spill for later disposal.

### 6.4 Reference to other sections

- Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

## Section 7 - Handling and Storage

### 7.1 Precautions for safe handling

**Handling** • Use only in well ventilated areas. Wear appropriate personal protective equipment, avoid direct contact. Avoid breathing mist, vapours, spray. Avoid contact with skin, eyes, and clothing. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

### 7.2 Conditions for safe storage, including any incompatibilities

**Storage** • Keep container tightly closed. Store in a cool, dry, well-ventilated place. Store away from heat, sparks and flame.

### 7.3 Specific end use(s)

- Refer to Section 1.2 - Relevant identified uses.

## Section 8 - Exposure Controls/Personal Protection

### 8.1 Control parameters

Exposure Limits/Guidelines						
	Result	ACGIH	Australia	Belgium	Canada Alberta	Canada British Columbia
Asphalt (8052-42-4)	TWAs	0.5 mg/m3 TWA (fume, inhalable fraction, as benzene soluble aerosol)	5 mg/m3 TWA (fume)	5 mg/m3 TWA (fume)	5 mg/m3 TWA (Petroleum; Bitumen, fume)	0.5 mg/m3 TWA (inhalable fume, as Benzene-soluble aerosol)
Exposure Limits/Guidelines (Con't.)						
	Result	Canada Manitoba	Canada New Brunswick	Canada Northwest Territories	Canada Nova Scotia	Canada Nunavut
Asphalt (8052-42-4)	TWAs	0.5 mg/m3 TWA (fume, inhalable fraction, as Benzene soluble aerosol)	5 mg/m3 TWA (petroleum fumes)	5 mg/m3 TWA (Petroleum fumes)	0.5 mg/m3 TWA (fume, inhalable fraction, as Benzene soluble aerosol)	5 mg/m3 TWA (Petroleum fumes)
	STELs	Not established	Not established	10 mg/m3 STEL (Petroleum fumes)	Not established	10 mg/m3 STEL (Petroleum fumes)
Exposure Limits/Guidelines (Con't.)						
	Result	Canada Ontario	Canada Quebec	Canada Saskatchewan	Canada Yukon	China
Asphalt (8052-42-4)	STELs	Not established	Not established	Not established	10 mg/m3 STEL (fume)	12.5 mg/m3 STEL (fume, as Benzene soluble matter)
	TWAs	0.5 mg/m3 TWA (fume, inhalable, as Benzene-soluble aerosol)	5 mg/m3 TWAEV (fume)	0.5 mg/m3 TWA (fume and inhalable fraction, as Benzene soluble aerosol)	5 mg/m3 TWA (fume)	5 mg/m3 TWA (fume, as Benzene soluble matter)
Exposure Limits/Guidelines (Con't.)						
	Result	Denmark		NIOSH		
Asphalt (8052-42-4)	TWAs	1 mg/m3 TWA (Cyclohexane fraction of total dust, fume)		Not established		
	Ceilings	Not established		5 mg/m3 Ceiling (fume, 15 min)		

### Exposure Control Notations

#### ACGIH

•Asphalt (8052-42-4): **Carcinogens:** (A4 - Not Classifiable as a Human Carcinogen (fume, coal tar-free))

#### Germany DFG

•Asphalt (8052-42-4): **Carcinogens:** (Category 2 (considered to be carcinogenic for man, aerosol and vapour)) | **Skin:** (skin notation (aerosol and vapour))

### Exposure Limits Supplemental

#### ACGIH

•Asphalt (8052-42-4): **BEIs:** (Medium: urine Time: end of shift at end of workweek Parameter: 1-Hydroxypyrene with hydrolysis (nonquantitative)) |

**TLV Basis - Critical Effects:** (eye and upper respiratory tract irritation (fume))

### 8.2 Exposure controls

#### Engineering Measures/Controls

- This adhesive is designed to be used outdoors, in roofing applications. Good general ventilation should be used. Ventilation rates should be matched to conditions. If

applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

## Personal Protective Equipment

### Respiratory

- In case of insufficient ventilation, wear suitable respiratory equipment. Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH or European Standard EN 149 approved respirator if exposure limits are exceeded or symptoms are experienced.

### Eye/Face

- Wear protective eyewear (goggles, face shield, or safety glasses).

### Skin/Body

- Wear appropriate gloves. Wear protective clothing

## Environmental Exposure Controls

- In case of spills, keep product clear of sewers, waterways or land areas. Dispose of waste product in accordance with national and local laws and regulations.

### Key to abbreviations

ACGIH = American Conference of Governmental Industrial Hygiene

NIOSH = National Institute of Occupational Safety and Health

STEL = Short Term Exposure Limits are based on 15-minute exposures

TWA = Time-Weighted Averages are based on 8h/day, 40h/week exposures

TWAEV = Time-Weighted Average Exposure Value

## Section 9 - Physical and Chemical Properties

### 9.1 Information on Physical and Chemical Properties

Material Description			
Physical Form	Liquid	Appearance/Description	Black viscous liquid with a mild hydrocarbon odor.
Color	Black	Odor	Hydrocarbon
Odor Threshold	Data lacking		
General Properties			
Boiling Point	> 572 F(> 300 C)	Melting Point	Data lacking
Decomposition Temperature	Data lacking	pH	Data lacking
Specific Gravity/Relative Density	1 Water=1 @ 20 C(68 F)	Water Solubility	< 300 ppm
Viscosity	Data lacking	Explosive Properties	Data lacking
Oxidizing Properties:	Data lacking		
Volatility			
Vapor Pressure	Data lacking	Vapor Density	Data lacking
Evaporation Rate	Data lacking	Volatiles (Vol.)	0 %
Flammability			
Flash Point	> 400 F(> 204.4444 C)	UEL	Data lacking
LEL	Data lacking	Autoignition	> 500 F(> 260 C)
Flammability (solid, gas)	Not relevant.		
Environmental			
Octanol/Water Partition coefficient	Data lacking		

### 9.2 Other Information

- No additional physical and chemical parameters noted.

## Section 10: Stability and Reactivity

### 10.1 Reactivity

- No dangerous reaction known under conditions of normal use.

## 10.2 Chemical stability

- Stable

## 10.3 Possibility of hazardous reactions

- Hazardous polymerization will not occur.

## 10.4 Conditions to avoid

- No data available

## 10.5 Incompatible materials

- May react with strong oxidizing and reducing materials and acids.

## 10.6 Hazardous decomposition products

- Incomplete combustion can produce carbon monoxide. Normal combustion forms carbon dioxide and water vapor and may produce oxides of nitrogen. The mixed and cured product will also release hydrogen cyanide.

## Section 11 - Toxicological Information

### 11.1 Information on toxicological effects

Components		
Asphalt (20% TO 50%)	8052-42-4	<b>Acute Toxicity:</b> Ingestion/Oral-Rat LD50 • >5000 mg/kg; <i>Gastrointestinal:</i> <b>Hypermotility, diarrhea</b> ; Inhalation-Rat LC50 • >94.4 mg/m <sup>3</sup> ; <b>Mutagen:</b> Micronucleus test • Rat • Other Cell Type • 57.8 µg/L; <b>Tumorigen / Carcinogen:</b> Skin-Mouse TDLo • 905 g/kg 2 Year(s)-Intermittent; <i>Tumorigenic:</i> <b>Neoplastic by RTECS criteria; Lungs, Thorax, or Respiration: Tumors; Skin and Appendages: Other: Tumors</b>

GHS Properties	Classification
Acute toxicity	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Aspiration Hazard	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Carcinogenicity	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Germ Cell Mutagenicity	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Skin corrosion/Irritation	EU/CLP • Skin Irritation 2 OSHA HCS 2012 • Skin Irritation 2
Skin sensitization	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
STOT-RE	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
STOT-SE	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Toxicity for Reproduction	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Respiratory sensitization	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking

Serious eye damage/Irritation	EU/CLP • Eye Irritation 2 OSHA HCS 2012 • Eye Irritation 2
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## Potential Health Effects

### Inhalation

- Acute (Immediate) • May cause irritation.
- Chronic (Delayed) • No data available.

### Skin

- Acute (Immediate) • Causes skin irritation.
- Chronic (Delayed) • No data available.

### Eye

- Acute (Immediate) • Causes serious eye irritation.
- Chronic (Delayed) • No data available.

### Ingestion

- Acute (Immediate) • Single dose oral toxicity is considered to be low. Small amounts swallowed incidental to normal handling operations are not likely to cause injury; swallowing amounts larger than that may cause injury.
- Chronic (Delayed) • No data available.

### Carcinogenic Effects

- No association has been established between industrial exposure to petroleum asphalt and cancer in humans. The International Agency for Research on Cancer has determined there is limited evidence of carcinogenicity for undiluted steam-refined asphalts in experimental animals and insufficient evidence of carcinogenicity for undiluted steam-refined asphalts in humans. These asphalt sources are not constituents of this product.

Carcinogenic Effects		
	CAS	IARC
Asphalt	8052-42-4	Group 2B-Possible Carcinogen

#### Key to abbreviations

LD = Lethal Dose

TD = Toxic Dose

## Section 12 - Ecological Information

### 12.1 Toxicity

- Material data lacking.

### 12.2 Persistence and degradability

- Material data lacking.

### 12.3 Bioaccumulative potential

- Material data lacking.

### 12.4 Mobility in Soil

- Material data lacking.

### 12.5 Results of PBT and vPvB assessment

- No PBT and vPvB assessment has been conducted.

### 12.6 Other adverse effects

- No studies have been found.



## Section 13 - Disposal Considerations

### 13.1 Waste treatment methods

#### Product waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

#### Packaging waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

## Section 14 - Transport Information

	14.1 UN number	14.2 UN proper shipping name	14.3 Transport hazard class(es)	14.4 Packing group	14.5 Environmental hazards
DOT	NDA	Not Regulated	NDA	NDA	NDA
TDG	NDA	Not Regulated	NDA	NDA	NDA
IMO/IMDG	NDA	Not Regulated	NDA	NDA	NDA
ADN	NDA	Not Regulated	NDA	NDA	NDA
ADR/RID	NDA	Not Regulated	NDA	NDA	NDA
IATA/ICAO	NDA	Not Regulated	NDA	NDA	NDA

#### 14.6 Special precautions for user

- None specified.

#### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

- Data lacking.

## Section 15 - Regulatory Information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

#### SARA Hazard Classifications

- Acute

State Right To Know				
Component	CAS	MA	NJ	PA
Asphalt	8052-42-4	Yes	Yes	Yes

Inventory						
Component	CAS	Canada DSL	Canada NDSL	China	EU EINECS	EU ELNICS
Asphalt	8052-42-4	Yes	No	Yes	Yes	No

Inventory (Con't.)				
Component	CAS	Japan ENCS	Korea KECL	TSCA
Asphalt	8052-42-4	Yes	Yes	Yes

### Australia

#### Labor

##### Australia - Work Health and Safety Regulations - Hazardous Substances Requiring Health Monitoring

- Asphalt

8052-42-4 Not Listed

**Australia - High Volume Industrial Chemicals List**

• Asphalt	8052-42-4	
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**Australia - List of Designated Hazardous Substances - Classification**

• Asphalt	8052-42-4	Self classification required (petroleum fumes)
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**Environment****Australia - National Pollutant Inventory (NPI) Substance List**

• Asphalt	8052-42-4	Not Listed
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**Australia - Ozone Protection Act - Scheduled Substances**

• Asphalt	8052-42-4	Not Listed
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**Australia - Priority Existing Chemical Program**

• Asphalt	8052-42-4	Not Listed
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**Belgium****Labor****Belgium - Substances and Preparations - Carcinogens and Mutagens**

• Asphalt	8052-42-4	Not Listed
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**Bulgaria****Environment****Bulgaria - Air Quality - Maximum Admissible Hazardous Contaminant Levels - 24 Hour**

• Asphalt	8052-42-4	Not Listed
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**Bulgaria - Air Quality - Maximum Admissible Hazardous Contaminant Levels - 30 Minute**

• Asphalt	8052-42-4	Not Listed
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**Bulgaria - Air Quality - Maximum Admissible Hazardous Contaminant Levels - Annual**

• Asphalt	8052-42-4	Not Listed
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**Canada****Labor****Canada - WHMIS - Classifications of Substances**

• Asphalt	8052-42-4	Not Listed
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**Canada - WHMIS - Ingredient Disclosure List**

• Asphalt	8052-42-4	Not Listed
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**Environment****Canada - CEPA - Priority Substances List**

• Asphalt	8052-42-4	Not Listed
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**China****Other****China - Annex I & II - Controlled Chemicals Lists**

• Asphalt	8052-42-4	Not Listed
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**Denmark**

**Environment****Denmark - List of Undesirable Substances - Product Groups/Function**

• Asphalt	8052-42-4	Not Listed
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**Europe****Other****EU - CLP (1272/2008) - Annex VI - Table 3.2 - Classification**

• Asphalt	8052-42-4	Not Listed
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**EU - CLP (1272/2008) - Annex VI - Table 3.2 - Concentration Limits**

• Asphalt	8052-42-4	Not Listed
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**EU - CLP (1272/2008) - Annex VI - Table 3.2 - Labelling**

• Asphalt	8052-42-4	Not Listed
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**EU - CLP (1272/2008) - Annex VI - Table 3.2 - Notes - Substances and Preparations**

• Asphalt	8052-42-4	Not Listed
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**EU - CLP (1272/2008) - Annex VI - Table 3.2 - Safety Phrases**

• Asphalt	8052-42-4	Not Listed
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**Germany****Labor****Germany - Immission Control - Qualifying Quantities for Major Accident Prevention**

• Asphalt	8052-42-4	Not Listed
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**Germany - Immission Control - Qualifying Quantities for Safety Reporting**

• Asphalt	8052-42-4	Not Listed
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**Germany - TRGS 505 - Specific Lead Regulations**

• Asphalt	8052-42-4	Not Listed
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**Germany - TRGS 511 - Specific Ammonium Nitrate Regulations**

• Asphalt	8052-42-4	Not Listed
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**Environment****Germany - TA Luft - Types and Classes**

• Asphalt	8052-42-4	Not Listed
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**Germany - TA Luft - Emission Limits for Carcinogenic Substances**

• Asphalt	8052-42-4	Not Listed
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**Germany - TA Luft - Emission Limits for Fibers**

• Asphalt	8052-42-4	Not Listed
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**Germany - TA Luft - Emission Limits for Inorganic Dusts**

• Asphalt	8052-42-4	Not Listed
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**Germany - TA Luft - Emission Limits for Inorganic Gases**

• Asphalt	8052-42-4	Not Listed
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**Germany - TA Luft - Emission Limits for Organic Substances**

• Asphalt	8052-42-4	Not Listed
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**Germany - Water Classification (VwVwS) - Annex 1**

• Asphalt	8052-42-4	ID Number 326, not considered hazardous to water
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**Germany - Water Classification (VwVwS) - Annex 2 - Water Hazard Classes**

• Asphalt	8052-42-4	Not Listed
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**Germany - Water Classification (VwVwS) - Annex 3**

• Asphalt	8052-42-4	Not Listed
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**United States****Labor****U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals**

• Asphalt	8052-42-4	Not Listed
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**U.S. - OSHA - Specifically Regulated Chemicals**

• Asphalt	8052-42-4	Not Listed
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**Environment****U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants**

• Asphalt	8052-42-4	Not Listed
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**U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities**

• Asphalt	8052-42-4	Not Listed
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**U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities**

• Asphalt	8052-42-4	Not Listed
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**U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs**

• Asphalt	8052-42-4	Not Listed
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**U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs**

• Asphalt	8052-42-4	Not Listed
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**U.S. - CERCLA/SARA - Section 313 - Emission Reporting**

• Asphalt	8052-42-4	Not Listed
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**U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing**

• Asphalt	8052-42-4	Not Listed
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**United States - California****Environment****U.S. - California - Proposition 65 - Carcinogens List**

• Asphalt	8052-42-4	Not Listed
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**U.S. - California - Proposition 65 - Developmental Toxicity**

• Asphalt	8052-42-4	Not Listed
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**U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)**

• Asphalt	8052-42-4	Not Listed
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**U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)**

• Asphalt	8052-42-4	Not Listed
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**U.S. - California - Proposition 65 - Reproductive Toxicity - Female**

• Asphalt	8052-42-4	Not Listed
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**U.S. - California - Proposition 65 - Reproductive Toxicity - Male**

• Asphalt	8052-42-4	Not Listed
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**United States - Pennsylvania****Labor****U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List**

• Asphalt	8052-42-4	Not Listed
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**U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances**

• Asphalt	8052-42-4	Not Listed
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**15.2 Chemical Safety Assessment**

- No Chemical Safety Assessment has been carried out.

**Section 16 - Other Information****Last Revision Date**

- 06/November/2014

**Preparation Date**

- 21/March/2011

**Disclaimer/Statement of Liability**

- The information contained herein is based on data considered accurate which has been obtained from other companies and organizations. However, no warranty or representation is expressed or implied that the information, is accurate, complete or representative. Firestone Building Products Company, LLC assumes no responsibility for injury to the buyer, the buyer's employees, or any third persons, if reasonable safety procedures are not followed. Additionally, Firestone Building Products Company assumes no responsibility for injury to buyer, the buyer's employees, or any third persons caused by abnormal use of this material, even if reasonable safety procedures are followed.

**Key to abbreviations**

NDA = No Data Available